

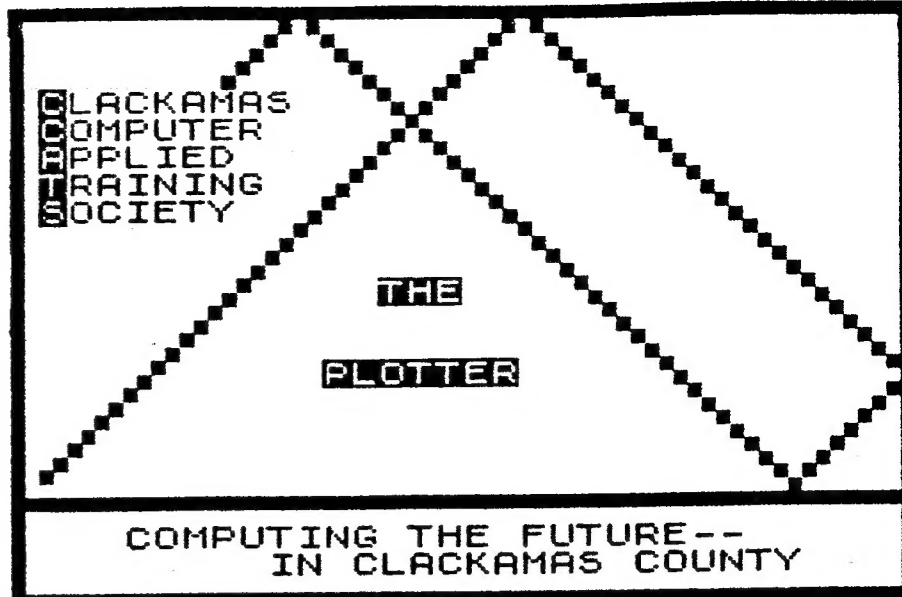
THE PLOTTER

CLACKAMAS COMPUTER APPLIED
TRAINING SOCIETY
NEWS LETTER

VOLUME 10

NUMBER 12

December 1992



EDITED BY:	DICK WAGNER
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TREASURER:	ROD GOWEN
PR OFFICER:	BOB EVANS
LIBRARIANS:	BILL DUNLOP
	ALICE DUNLOP

MEETING

The DECEMBER meeting will be:

on: SAT., DECEMBER 12, 1992

MEETING open at: 1:30 P.M.
in: COMMUNITY ROOM
FAR WEST FEDERAL BANK
OREGON CITY SHOPPING CENTER

WHAT YOU WILL FIND IN THIS ISSUE:

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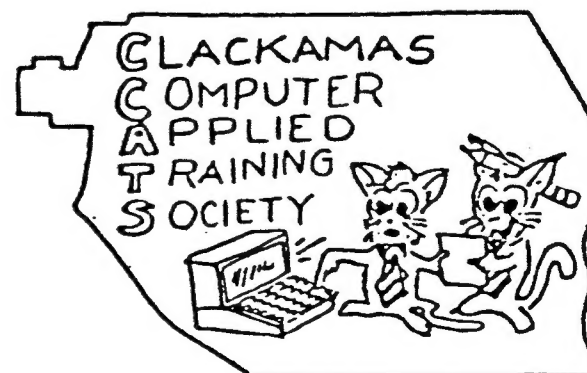
NOVEMBER MEETING

The meeting was called to order at 7:40 PM by Chairman Jack Armstrong at Far West Federal Bank. There were 8 members in attendance.

Discussion about the Bookworm program in the October issue was interesting and quite verbal. It centered around the verbage of "first page" and "last page" definitions. Could the bookworm eat the first page without eating page 2? etc. Jack thought that Marilyn vos Savant should have defined the problem better. However, the question was not hers but from a reader.

Dick Wagner is making program copies that have graphics in them. Z Talker program to be printed has graphics plus Z Talker. The question was should Z Talker be included as it has to have machine code in order for Z Talker to work? It was decided that a REM statement could be added to explain.

>> >>



Continued from page 1

Rod asked members to be in attendance at a work session on November 28 for further book work. Some discussion followed about having work meetings on Sunday afternoons. We decided to continue with Saturday afternoon December 12 for the next meeting. Sunday meetings will depend upon consensus of members.

After discussion on varied topics the meeting was adjourned at 8:45 PM.

Dick Wagner
Secretary

BITS & BYTES

by: Rod Gowen

In this column I try to bring you the latest and complete information and news available to me regarding the world of TS computing. One way that I can accomplish this is if I have the support of you, the reader, in collecting news that may be of interest to other readers. If you have any news, rumors or other tidbits of information that fits this description, why not send it along? We will be watching!

TO ELECT OR NOT TO ELECT...

It's December again and this is our "traditional" month to elect our leaders for the coming year. The question now comes to mind: Do we have an election or not? If memory serves me correctly, last year we more or less asked for volunteers to fill the offices. As in years past, I will gladly continue to act as treasurer and will do my bit in regard to the library and the newsletter. I am sure that our librarians will not mind continuing as they are. I will fill in as vice-chairman when needed as well. That leaves just the secretary and chairman's posts open. Any volunteers? Let's be sure to talk about it on December 12th, our next regular meeting date!

PASTE-UP DATES SET!-----

We will have 2 or 3 more paste-up sessions for The Best Of The Plotter before the end of the year. We are

scheduled in for Saturday, November 28th, from 1:30 to 5:30PM and on Saturday December 12th at the same times as of now. If we agree to meet between these two dates, we can make use of the meeting hall at Bob Evan's mobile home court on the 6th or 7th of December. We need to talk about this at the November 28th session. This newsletter will most likely reach you after the meeting on the 28th so we may already have it decided.

A CHANGE IN MEETING DAY? -----

At the November meeting there was discussion of changing our meeting day and time to one that would be more suitable to more members. We are not "locked" into the 2nd Friday if we want to change. It seemed as though the most acceptable time would be the 3rd Sunday from 1-4 or so. I am all for this time slot. It may even help bring in some new members who could not make the Friday night meetings. Let's talk about it more in upcoming meetings until there is a final decision. When it is finally set we can have our PR man send out a few letters where appropriate to see if we can garner some new interest in what we are here for.

WHERE DOES THE TIME GO?---

I find that I have less and less time to do more and more work! I have tried to keep abreast of the TS world of news via the various newsletters and letters that I receive each month, but lately it seems as though I cannot find the time to read them all! Not that there are so many of them, just that I seem to have other things taking priority over my time. I find myself getting a call from Dick asking if I will have anything for the Plotter and I haven't even thought about it yet! I make a mad dash for the keyboard and grind out this column and sometimes one or two more in one evening and let out a deep sigh of relief when it is "done for another month"! I only wish that a few more of our "busy" members would take an hour or even 30 minutes a month to sit down at the keyboard and type something in that Dick could publish! REALLY! IT IS NOT THAT HARD!! Just a few

paragraphs. A few lines even. I would sure make it easier on us poor rushed, old, mostly blind writers out here!

RMG ENDING A BAD YEAR!--

If the TS business continues at the rate it is going right now, RMG would be able to feed a couple of parakeets on the profits in 1993! TS sales are down 65% from the same period in 1991. I guess the end may be in sight if something doesn't happen to turn it around soon. I knew that it would not last forever, nothing does, but I had thought that the interest would stay alive for a couple more years. With all of the new interest that has been showing up in the form of letters, requests for information and good articles in various newsletters and magazines, I had thought that there might be a small resurgence in the TS market. If you are out there reading this and want the TS support to survive the next year, you had better start to support it in any and all ways that you can! BUY! WRITE! SUBSCRIBE! CONTRIBUTE! JOIN! SHARE! Be aware that there are dealers out here and if a software title is still on the market for sale, DO NOT COPY OR PASS IT ON TO A FRIEND! You will only succeed in killing the TS market faster and for good! It is legal to buy used software, it is not legal to copy and hand out copyrighted software!

That's it for now!

See you next time. . .

MORE ON BOOKWORM

Dick Wagner

Our program critic Jack Armstrong finally started up his 2068 and had some fun with my program, BOOKWORM, that was presented in last month's issue of The Plotter. He has been spending his spare time on a good buy of a MSDOS compatible computer with umpteen programs and other material left in the hard drive by the previous owner.

Having a color monitor for his 2068 he added a color line:

45 BORDER: INK : PAPER : CLS

He improved the programming with:
80 IF p <> 302 THEN CLS: GO TO 50
The second trap is not required

He added ends to the bookshelf with:

265 PLOT 30,110: DRAW 0,26: PLOT 88,110: DRAW 0,25

290 PRINT AT 3,5;12345

DELETE 325 and 330, and add 330, 340,350, and 360.

330 PAUSE 15

340 NEXT X

350 INVERSE 0

360 REM Don't forget to turn the INVERSE OFF

WHAT MPH?

Dick Wagner

This program will be a head scratcher for some of our readers. Simply, it wants to know how fast you will have to travel to work if 60 MPH puts you there too early and 30 MPH puts you there too late. The one stipulation is that the amount of time you are early is equal to the amount of time you are late.

The program keeps repeating until you give the correct answer so use STOP if you give up. You can access the solution by keying in "GOTO 170.

Users working with a TS 1000 will need to change three lines, 110, 120, and 150. The change is the second CODE which should be "--".

You can assume any distance to travel to work if you so desire.

40 REM TS 1000 users will need to change the second CODE in lines 110, 120, and 150 to "--".

50 REM Program by Dick Wagner, NOV 1992

60 REM Consider the average speed in MPH for more realistic answer, or theoretical constant speed from start to destination.

80 PRINT "When you go to work at 60 MPH you arrive early."

85 PRINT "When you go to work at 30 MPH you arrive late."

90 PRINT "The amount of time y

ou are early is also equal
to the amount of time you are late."

95 PRINT "How fast should you
go to get to work on time? Use av
erage speed or constant speed.":

PRINT
100 INPUT "MY GUESS, ESTIMATE,
OR CALCULATION IS ";MPH
;"MPH"

110 IF MPH<>INT (CODE "Y"-CODE
"1") THEN PRINT MPH;" MPH IS WRO
NG, TRY AGAIN": GO TO 100

120 IF MPH=INT (CODE "Y"-CODE "
1") THEN GO TO 150

150 PRINT "YOU ARE CORRECT WITH
";INT (CODE "Y"-CODE "1");" MPH
"

160 PAUSE 150: CLS
170 PRINT "DO YOU WANT THE CALC
ULATION FOR THE ANSWER TO BE SHO
WN? Y OR N.": INPUT A\$

180 IF A\$="Y" OR A\$="y" THEN GO
TO 200

190 IF A\$="N" OR A\$="n" THEN ST
OP

200 PRINT "DISTANCE = MPH*TIME
WHERE MPH = MILES/HOUR AND TIME
IS IN HOURS"

210 PRINT "ASSUME A TRAVEL DIST
ANCE OF 60 MILES."

220 PRINT "FOR 60 MPH, THE TIME
TO DRIVE IS 1 HR."

230 PRINT : PRINT "FOR 30 MPH,
THE TIME TO DRIVE IS 2 HR."

240 PRINT : PRINT "THE DIFFEREN
CE IN TIME IS 1 HR. SO THE NEW T
IME WILL BE 1/2 HR. GREATER FROM
60 MPH AND 1/2 HR. LESS FROM 3
0 MPH."

250 PRINT : PRINT "FOR 60 MPH B
ASE: MPH=60/(1 HR
+1/2 HR)"

260 PRINT "THE SOLUTION IS NEW
MPH = 40"

270 PRINT : PRINT "FOR 30 MPH B
ASE: MPH=60/(2 HR
-1/2 HR)"

280 PRINT "THE SOLUTION IS NEW
MPH = 40"

300 PRINT : PRINT "YOU MIGHT TR
Y OTHER DRIVING SPEEDS AND T
HE DISTANCE NEED NOT BE COMPARED
TO ONE OF THE SPEEDS, BUT THE SO
LUTION IS EASIER IF YOU DO."

ADVICE, 2068

Dick Wagner

This 2068 program features a bit of
wisdom from Charles F. Kettering,
long time inventor at General
Motors. The character codes in the
DATA statements produces the text.
Three READ commands are used to
format the text.

It should be noted that "n" for each
READ loop must equal the length of
each statement.

10 REM type this program and ge
t some sound advice

20 REM DICK F. WAGNER, NOV. 19

92

100 FOR n=1 TO 86
110 READ A: PRINT CHR\$ A;
120 NEXT n

125 PRINT : PRINT
130 FOR n=1 TO 26
140 READ B: PRINT CHR\$ B;
150 NEXT n

160 PRINT : PRINT : PRINT
170 FOR n=1 TO 20
180 READ C: PRINT CHR\$ C;
190 NEXT n

300 DATA 77,121,32,105,110,116,
101,114,101,115,116,32,105,115,3
2,105,110,32,116,104,101,32,102,
117,116,117,114,101,32,32,32,32
310 DATA 98,101,99,97,117,115,1
01,32,73,39,109,32,103,111,105,1
10,103,32,116,111,32,115,112,101
,110,100,32,116,104,101,32,32,11
4,101,115,116

320 DATA 32,111,102,32,109,121,
32,108,105,102,101,32,116,104,10
1,114,101,46

330 DATA 32,32,32,32,32,32,67,1
04,97,114,108,101,115,32,70,46,3
2,75,101,116,116,101,114,105,110
,103

340 DATA 84,72,69,32,67,72,79,7
3,67,69,32,73,83,32,89,79,85,82,
83,46

: **WANTED** :
: Wafers for A&J 2068 Microdrive,:
: ARTWORX, and your list of 2068 :
: items you want to sell. :
: Mike Stephens :
: 312 Newton Avenue :
: Oakland, CA 94606-1320 :
:

1993

CCATS / THE PLOTTER

January						
S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

February						
S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28						

March						
S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

April						
S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

May						
S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

June						
S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

January

1 New Year's Day
18 Martin Luther King, Jr.

February

12 Lincoln's Birthday
14 Valentine's Day
15 President's Day
22 Washington's Birthday
24 Ash Wednesday

March

17 St. Patrick's
20 Spring begins

April

1 April Fools Day
4 Daylight Savings
Palm Sunday
6 Passover
9 Good Friday
11 Easter

May

9 Mother's Day
15 Armed Forces Day
31 Memorial Day (Observed)

June

14 Flag Day
20 Father's Day
21 Summer begins

July

1 Dominion Day (Canada)
4 Independence Day

September

6 Labor Day
16 Rosh Hashanah
22 Autumn begins
25 Yom Kippur

October

11 Columbus Day (Observed)
31 Daylight Savings
Halloween

November

2 Election Day
11 Veterans Day
25 Thanksgiving

December

9 Hanukkah
21 Winter begins
25 Christmas

July						
S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

August						
S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

September						
S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

October						
S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

November						
S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

December						
S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	



RMG

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RMG ENTERPRISES

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ADVICE TS1000

Dick Wagner

This program produces the same text for the TS 1000 that the program "ADVICE 2068" does. The data code is different because of the difference between the 2 computer types. Luckily, the character codes for the TS 1000 are exactly 27 digits less than for the 2068. Comparing code tables, numbers are 20 digits less than the 2068 but none are used here.

The data is in 5 strings, about one for each text line. As the data is in string form, the separating commas require special treatment as used in the program. This method requires the program to jump to line 200 each time a comma is read.

Line 205 simply converts the text data strings to numeric form so line 210 can print it. To prove this add a PRINT F; immediately after line 205

Considerable testing was required as the program development progressed, but I was working with my 2068 computer because I wished to do the hard copy on my large printer. The data didn't make sense except that spaces were question marks, and periods were 6s. My solution is in the article "READ TS 1000 ON A 2068".

The use of strings to input data, and change the data into numeric digits, is one of several ways of simulating READ & DATA such as is available on a 2068 computer.

FAST puts the program thru nicely but pressing the ENTRY key is required to show the display. Using SLOW displays the characters being printed on the screen. Take your pick by adding a fast or slow line to the program.

```
5 REM THIS TS 1000 PROGRAM RE
ADS STRINGS TO PRINT OUT A MESSA
GE
```

```
10 LET A$="50,62,0,46,51,57,42
,55,42,56,57,0,46,56,0,46,51,0,5
7,45,42,0,43,58,57,58,55,42,"
```

```
12 LET B$="0,0,0,0,39,42,40,38
,58,56,42,0,46,0,38,50,0,44,52,4
6,51,44,0,57,52,0,56,53,42,51,41
,0,57,45,42,"
```

```
14 LET C$="0,55,42,56,57,0,52,
43,0,50,62,0,49,46,43,42,0,57,45
,42,55,42,27,"
```

```
16 LET D$="0,0,0,0,0,0,0,0,0,0
,0,40,45,38,55,49,42,56,0,43,27,
0,48,42,57,57,42,55,46,51,44,"
```

```
18 LET E$="0,0,0,0,0,0,0,0,0,0
,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0
,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0
,0,0,57,45,42,0,40,45,52,46,40,4
2,0,46,56,0,62,52,58,55,56,27,"
```

```
20 LET A$=A$+B$+C$+D$+E$
```

```
120 LET M=1
```

```
130 FOR N=1 TO LEN A$
```

```
140 IF A$(N)=", " THEN GO SUB 20
0
```

```
150 NEXT N
```

```
200 LET F$=A$(M TO N-1)
```

```
205 LET F=VAL F$
```

```
210 PRINT CHR$ F;
```

```
220 LET M=N+1
```

```
230 RETURN
```


[illegible]

-NOTICE-

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HAPPY NEW YEAR FROM
THE COATS

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THE 10TH OF THE MONTH PRIOR
TO THE MONTH AD IS TO RUN.

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Oregon City, OR 97045

- 8 -

EXPIRES: 12/92

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DOVER, NJ 07801
ML/PD:12/92

29^{USA}

CANBY, IDAHO
JUN 2
1892

1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398</
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